


|  |   |                 |   |
|--|---|-----------------|---|
| P24637.P01<br><div style="text-align: center;"><b>UTILITY<br/>PATENT APPLICATION<br/>TRANSMITTAL</b></div> (Only for new nonprovisional applications under 37 CFR 1.53(b))   | Attorney Docket No.<br>P24637   | Total Pages<br> | Inventor(s) or Application Identifier<br>Ho Soung KIM<br><br>Title: PHASE DEFICIENCY DISPLAY DEVICE FOR<br>THERMAL MAGNETIC TYPE MOLDED CASE<br>CIRCUIT BREAKER |
| ADDRESS TO: Commissioner for Patents<br>Mail Stop Patent Application<br>PO Box 1450<br>Alexandria, VA 22313-1450   |   |                 |   |
| <b>APPLICATION ELEMENTS</b>  | <b>ACCOMPANYING APPLICATION PARTS</b>   |                 |   |
| 1. <input checked="" type="checkbox"/> Fee Transmittal Form<br>(Submit an original, and a duplicate for fee processing)<br><br>2. <input type="checkbox"/> Applicant claims small entity status.<br>See 37 CFR 1.27.<br>a. <input type="checkbox"/> Small Entity<br>Statement(s)<br><br>3. <input checked="" type="checkbox"/> Specification [Total Pages <u>16</u> ]<br>(preferred arrangement set forth below)<br>- Descriptive title of the Invention<br>- Cross References to Related Applications<br>- Statement Regarding Fed sponsored R & D<br>- Reference to sequence listing, a table, or a computer program<br>listing appendix<br>- Background of the Invention<br>- Brief Summary of the Invention<br>- Brief Description of the Drawings (if filed)<br>- Detailed Description<br>- Claim(s)<br>- Abstract of the Disclosure<br><br>4. <input checked="" type="checkbox"/> Drawing(s) (35 USC 113) [Total Sheets <u>8</u> ]<br><br>5. <input checked="" type="checkbox"/> Oath or Declaration [Total Pages <u>3</u> ]<br>a. <input checked="" type="checkbox"/> Newly executed (original or copy) <input type="checkbox"/> Unexecuted<br>b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d))<br>(for continuation/divisional with Box 20 completed)<br>[Note Box 6 below]<br>i. <input type="checkbox"/> DELETION OF INVENTOR(S)<br>Signed statement attached deleting inventor(s)<br>named in the prior application, see 37 CFR<br>1.63(d)(2) and 1.33(b).<br><br>6. <input type="checkbox"/> Incorporation By Reference (useable if Box 5b is checked)<br>The entire disclosure of the prior application, from which a<br>copy of the oath or declaration is supplied under Box 5b, is<br>considered as being part of the disclosure of the accompanying<br>application and is hereby incorporated by reference therein.<br><br>7. <input checked="" type="checkbox"/> Application Data Sheet. See 37 CFR 1.76<br><br>8. <input type="checkbox"/> CD-Rom or CD-R in duplicate, large table or Computer<br>Program (Appendix) | 9. Nucleotide and/or Amino Acid Sequence Submission<br>(if applicable, all necessary)<br>a. <input type="checkbox"/> Computer Readable Form (CRF)<br>b. Specification Sequence Listing on:<br>i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or<br>ii. <input type="checkbox"/> paper<br>c. <input type="checkbox"/> Statements verifying identity of above copies<br><br>10. <input checked="" type="checkbox"/> Assignment Papers (cover sheet & document(s))<br><br>11. <input type="checkbox"/> 37 CFR 3.73(b) Statement (when there is an assignee) <input type="checkbox"/> Power of Attorney<br><br>12. <input type="checkbox"/> English Translation Document (if applicable)<br><br>13. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations<br><br>14. <input type="checkbox"/> Preliminary Amendment<br><br>15. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503)<br>(Should be specifically itemized)<br><br>16. <input checked="" type="checkbox"/> Figure of Drawing to be published <u>2</u><br><br>17. <input checked="" type="checkbox"/> Foreign priority claimed<br>a. <input checked="" type="checkbox"/> Claim of Priority<br>b. <input checked="" type="checkbox"/> Certified Copy of Priority Document(s)<br><br>18. <input type="checkbox"/> Nonpublication Request under 35 U.S.C. 122 (b) (2) (B) (i).<br>Applicant must attach form PTO/SB/35 or its equivalent.<br><br>19. <input checked="" type="checkbox"/> Assignee: <u>LG Industrial Systems Co., Ltd.</u><br><u>of Seoul, Republic of Korea</u><br><br>20. <input type="checkbox"/> Other: _____<br>_____<br>_____<br>_____<br>_____ |                 |   |
| 21. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information below and in the first sentence of the<br>specification following the title, or in an Application Data Sheet under 37 C.F.R. 1.76:<br><input type="checkbox"/> Continuation <input type="checkbox"/> Divisional <input type="checkbox"/> Continuation-in-part (CIP) of prior Application No. _____/_____, filed _____.<br>Prior application information: Examiner: _____ Group Art Unit: _____   |   |                 |   |

22278 U.S. PTO  
 10/724712  
 120203

Address all future correspondence to **Customer No. 7055** at the present address of:

**GREENBLUM & BERNSTEIN, P.L.C.**  
 1950 Roland Clarke Place  
 Reston, VA 20191  
 (703) 716-1191

12/2/03  
 Date

  
 Signature  
 Reg. No. 33,329  
Bruce H. Bernstein, Reg. No. 29,027  
 Typed or Printed Name



## FEE TRANSMITTAL

## Complete if Known

|                      |                       |
|----------------------|-----------------------|
| Application Number   | Not Yet Assigned      |
| Filing Date          | Concurrently Herewith |
| First Named Inventor | Ho Soung KIM          |
| Group Art Unit       | Unassigned            |
| Examiner Name        | Unassigned            |

TOTAL AMOUNT OF PAYMENT (\$ 810.00)

Attorney Docket Number P24637

## METHOD OF PAYMENT (check one)

1. ☒ The U.S Patent and Trademark Office is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number 19-0089

Deposit Account Name GREENBLUM &amp; BERNSTEIN, P.L.C.

- ☒ Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17, including any required extension of time fees in any concurrent or future reply requiring a petition for extension of time for its timely submission (37 CFR 1.136(a)(3))
- ☐ Charge the Issue Fee Set in 37 CFR 1.18 at the Mailing of the Notice of Allowance, 37 CFR 1.311(b)
- ☐ Applicant Claims Small Entity Status See 37 CFR 1.27.

2. ☒ Payment Enclosed:
- ☒ Check ☐ Credit Card ☐ Money Order ☐ Other

## FEE CALCULATION (fees effective 10/01/03)

## 1. FILING FEE

| Large Fee Code | Entity Fee (\$) | Small Fee Code | Entity Fee (\$) | Fee Description        | Fee Paid |
|----------------|-----------------|----------------|-----------------|------------------------|----------|
| 1001           | 770             | 2001           | 385             | Utility filing fee     | 770.00   |
| 1002           | 340             | 2002           | 170             | Design filing fee      |          |
| 1003           | 530             | 2003           | 265             | Plant filing fee       |          |
| 1004           | 770             | 2004           | 385             | Reissue filing fee     |          |
| 1005           | 160             | 2005           | 80              | Provisional filing fee |          |

SUBTOTAL (1) (\$ 770.00)

## 2. CLAIMS

| Total Claims              | Extra | Fee from below | Fee Paid |
|---------------------------|-------|----------------|----------|
| 6                         | -20=  | 0 x 18 =       | 0        |
| 1                         | -3=   | 0 x 86 =       | 0        |
| Multiple Dependent Claims | 0     | x 290 =        | 0        |

| Large Fee Code | Entity Fee (\$) | Small Fee Code | Entity Fee (\$) | Fee Description   |
|----------------|-----------------|----------------|-----------------|---|
| 1202           | 18              | 2202           | 9               | Claims in excess of 20                                  |
| 1201           | 86              | 2201           | 43              | Independent claims in excess of 3                       |
| 1203           | 290             | 2203           | 145             | Multiple dependent claim                                |
| 1204           | 86              | 2204           | 43              | Reissue independent claims over original patent         |
| 1205           | 18              | 2205           | 9               | Reissue claims in excess of 20 and over original patent |

SUBTOTAL (2) (\$ 0.00)

## FEE CALCULATION (continued)

## 3. ADDITIONAL FEES

| Large Fee Code            | Entity Fee (\$) | Small Fee Code | Entity Fee (\$) | Fee Description  | Fee Paid |
|---------------------------|-----------------|----------------|-----------------|--|----------|
| 1051                      | 130             | 2051           | 65              | Surcharge - late filing fee or oath  |          |
| 1052                      | 50              | 2052           | 25              | Surcharge - late provisional filing fee or cover sheet.                    |          |
| 1053                      | 130             | 1053           | 130             | Non-English specification  |          |
| 1812                      | 2,520           | 1812           | 2,520           | For filing a request for reexamination                                     |          |
| 1804                      | 920*            | 1804           | 920*            | Requesting publication of SIR Prior to Examiner action                     |          |
| 1805                      | 1,840*          | 1805           | 1,840*          | Requesting publication of SIR after Examiner action                        |          |
| 1251                      | 110             | 2251           | 55              | Extension for response within 1st month                                    |          |
| 1252                      | 420             | 2252           | 210             | Extension for response within 2nd month                                    |          |
| 1253                      | 950             | 2253           | 475             | Extension for response within 3rd month                                    |          |
| 1254                      | 1,480           | 2254           | 740             | Extension for response within 4th month                                    |          |
| 1255                      | 2,010           | 2255           | 1,005           | Extension for response within 5th month                                    |          |
| 1401                      | 330             | 2401           | 165             | Notice of Appeal   |          |
| 1402                      | 330             | 2402           | 165             | Filing a brief in support of an appeal                                     |          |
| 1403                      | 290             | 2403           | 145             | Request for oral hearing   |          |
| 1451                      | 1,510           | 1451           | 1,510           | Petition to institute a public use proceeding                              |          |
| 1452                      | 110             | 2452           | 55              | Petition to revive unavoidably abandoned application                       |          |
| 1453                      | 1,330           | 2453           | 665             | Petition to revive unintentionally abandoned application                   |          |
| 1501                      | 1,330           | 2501           | 665             | Utility issue fee (or reissue)   |          |
| 1502                      | 480             | 2502           | 240             | Design issue fee   |          |
| 1503                      | 640             | 2503           | 320             | Plant issue fee  |          |
| 1460                      | 130             | 1460           | 130             | Petitions to the Commissioner  |          |
| 1807                      | 50              | 1807           | 50              | Petitions related to provisional applications                              |          |
| 1806                      | 180             | 1806           | 180             | Submission of IDS  |          |
| 8021                      | 40              | 8021           | 40              | Recording each patent assignment per property (times number of properties) | 40.00    |
| 1809                      | 770             | 2809           | 385             | Filing a submission after final rejection (37 CFR 1.129(a))                |          |
| 1810                      | 770             | 2810           | 385             | For each additional invention to be examined (37 CFR 1.129(b))             |          |
| 1801                      | 770             | 2801           | 385             | Request for Continued Examination (RCE)                                    |          |
| 1802                      | 900             | 1802           | 900             | Request for expedited examination of a design application                  |          |
| Other fee (specify) _____ |                 |                |                 |  |          |
| Other fee (specify) _____ |                 |                |                 |  |          |

\*Reduced by Basic Filing Fee paid

SUBTOTAL (3) (\$ 40.00)

## SUBMITTED BY

## Complete (if applicable)

Typed or Printed Name Bruce H. Bernstein

Reg. Number

29,027

Signature

Date

12/2/03

Deposit Account User ID